

Title (en)
METHOD FOR OXIDIZING CARBONACEOUS MATERIAL AND ASSOCIATED DIESEL PARTICULATE FILTER AND EXHAUST GAS SYSTEM

Title (de)
VERFAHREN ZUR OXIDATION VON KOHLENSTOFFHALTIGEM MATERIAL UND ZUGEHÖRIGER DIESELPARTIKELFILTER UND ABGASSYSTEM

Title (fr)
PROCÉDÉ D'OXYDATION DE MATIÈRE CARBONÉE ET FILTRE À PARTICULES DIESEL ET SYSTÈME DE GAZ D'ÉCHAPPEMENT ASSOCIÉS

Publication
EP 2777800 A1 20140917 (EN)

Application
EP 14159419 A 20140313

Priority
CN 201310084607 A 20130315

Abstract (en)
A method for oxidizing a carbonaceous material comprises: contacting the carbonaceous material with an effective amount of a catalytic material of formula $A \times M_y W O_z$; and initiating the oxidization of the carbonaceous material at a first temperature lower than a second temperature at which the carbonaceous material is initiated to oxidize without a catalyst; wherein A is at least one of cesium and potassium; M is different from A and is at least one of cesium, potassium, magnesium, calcium, strontium, barium, iron, cobalt, nickel, ruthenium, rhodium, palladium, silver, osmium, iridium, platinum, gold, yttrium, lanthanum, cerium, praseodymium, neodymium, promethium, samarium, europium, gadolinium, terbium, dysprosium, holmium, erbium, thulium, ytterbium, lutetium, and bismuth; $0 \leq x \leq 1$; $0 \leq y \leq 1$; $2.2 \leq z \leq 3$; when $x=0$, $y>0$; and when $y=0$, $x>0$. A diesel particulate filter and an exhaust gas system comprising the material are also described herein.

IPC 8 full level
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C-Set (source: EP US)
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Citation (applicant)
US 7797931 B2 20100921 - DUBKOV ALEXEI A [DE], et al

Citation (search report)

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